

Amendments to the Claims

Listing of Claims:

Claims 1 - 11 (canceled).

Claim 12 (new). A device for monitoring a leakage current of a surge arrester, comprising:

a measuring element for checking the leakage current flowing in an arrester circuit connected to the surge arrester;

a filter arrangement for filtering out a third harmonic from the leakage current, the third harmonic being a measure of an operating state of the surge arrester;

an evaluation circuit for the third harmonic connected to said filter arrangement;

a display apparatus connected to said evaluation circuit for outputting, if appropriate, at least one warning signal; and

a transformer connected in the arrester circuit, said transformer having an output carrying an energy for a voltage supply to said filter arrangement and said evaluation circuit.

Claim 13 (new). The device according to claim 12, wherein said transformer has a primary winding connected in the arrester circuit, and a secondary winding connected to a rectifier circuit, and said rectifier circuit is connected to said filter arrangement and said evaluation circuit.

Claim 14 (new). The device according to claim 12, wherein said measuring element is a measuring resistor.

Claim 15 (new). The device according to claim 12, wherein said measuring element is a current-compensated coil assembly with a current compensator

connected to said filter arrangement and a rectifier circuit.

Claim 16 (new). The device according to claim 12, wherein said filter arrangement comprises an active bandpass filter.

Claim 17 (new). The device according to claim 12, wherein said evaluation circuit comprises a microprocessor circuit configured to evaluate peak values of the third harmonic and to output at least one warning signal.

Claim 18 (new). The device according to claim 12, wherein said evaluation circuit is a threshold value circuit configured to output a warning signal when a threshold value is exceeded.

Claim 19 (new). The device according to claim 12, wherein said display apparatus includes a visual display.

Claim 20 (new). The device according to claim 19, wherein said display apparatus has at least one LED.

Claim 21 (new). The device according to claim 12, wherein said display apparatus is configured to output an audible warning signal.

Claim 22 (new). The device according to claim 12, wherein said display apparatus comprises a plurality of LEDs, and said evaluation circuit is configured to drive different LEDs based on a magnitude of respective peak values.

Claim 23 (new). The device according to claim 12, which comprises a coil assembly with a toroidal core and two coils wound around said toroidal core connected in the arrester circuit, said coils having connecting terminals for connection to an external measuring device on occasion of a presence of a warning signal.